

## Rabbit anti-Human GPRASP1 Polyclonal Antibody | anti-GPRASP1 antibody

Anti-GPRASP1 Antibody, Rabbit Polyclonal

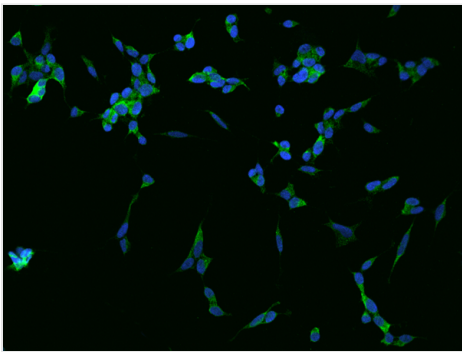
| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                                  |
|-----------|--------|------------|---------------------------------------------------------------|
| AAA256828 | Rabbit | Human      | Immunofluorescence, Immunocytochemistry, Immunohistochemistry |

### PRODUCT SYNONYMS

GPRASP1; Polyclonal Antibody; Anti-GPRASP1 Antibody; Rabbit Polyclonal; GPRASP1 Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-GASP Antibody; Anti-GASP-1 Antibody; Anti-GASP1 Antibody; Anti-RP4-769N13.1 Antibody; anti-GPRASP1 antibody

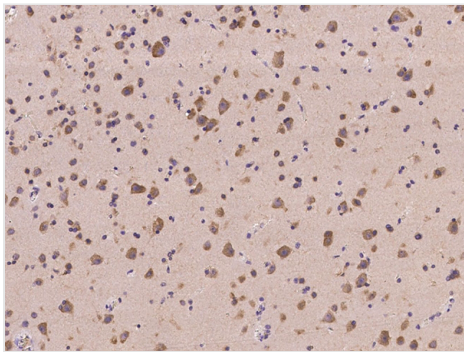
### PRODUCT SPECIFICATIONS

|                                                   |                                                                                                                                                                                                                                                    |
|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                              | Rabbit                                                                                                                                                                                                                                             |
| Reactivity                                        | Human                                                                                                                                                                                                                                              |
| Clonality                                         | Polyclonal                                                                                                                                                                                                                                         |
| Isotype                                           | Rabbit IgG                                                                                                                                                                                                                                         |
| Specificity                                       | Human GPRASP1                                                                                                                                                                                                                                      |
| Purity/Purification                               | Protein A & Antigen Affinity                                                                                                                                                                                                                       |
| Form/Format                                       | Liquid; PBS, pH7.0 with 0.03% Proclin300                                                                                                                                                                                                           |
| Applicable Applications for anti-GPRASP1 antibody | IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry)                                                                                                                                                                     |
| Immunogen                                         | E Coli-derived Human GPRASP1 fragment                                                                                                                                                                                                              |
| Conjugation                                       | Unconjugated                                                                                                                                                                                                                                       |
| Preparation                                       | Produced in rabbits immunized with E Coli-derived Human GPRASP1 fragment, and purified by antigen affinity chromatography.                                                                                                                         |
| Preparation and Storage                           | This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles. |



**IF (Immunofluorescence)**

Immunofluorescence staining of GPRASP1 in SHSY5Y cells. Cells were fixed with 4% PFA, permeabilized with 0.1% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human GPRASP1 polyclonal antibody (dilution ratio 1:200) at 4 degree C overnight. Then cells were stained with the Alexa Fluor 488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to Cytoplasm.



**IHC (Immunohistochemistry)**

Immunochemical staining of human GPRASP1 in human brain with rabbit polyclonal antibody at 1:300 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

|                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-GPRASP1 antibody | GPRASP1 gene encodes a member of the GPRASP (G protein-coupled receptor associated sorting protein) family. The protein may modulate lysosomal sorting and functional down-regulation of a variety of G-protein coupled receptors. It targets receptors for degradation in lysosomes. The receptors interacting with this sorting protein include D2 dopamine receptor (DRD2), delta opioid receptor (OPRD1), beta-2 adrenergic receptor (ADRB2), D4 dopamine receptor (DRD4) and cannabinoid 1 receptor (CB1R). GPRASP1 plays a major role in the postendocytic sorting process. |
| References                                            | Monestier O, et al. (2012) Ubiquitous gasp1 overexpression in mice leads mainly to a hypermuscular phenotype. BMC Genomics 13 541. Martini L, et al. (2007) Ligand-induced down-regulation of the cannabinoid 1 receptor is mediated by the g-protein-coupled receptor-associated sorting protein gasp1. Faseb j 21 (3): 802-811. Lee YS, et al. (2015) Roles of gasp-1 and gdf-11 in dental and craniofacial development. J Oral Med Pain 40 (3): 110-114.                                                                                                                       |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.